



INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

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CREDIT DESIGNATION STATEMENT

The International Anesthesia Research Society designates the IARS 2024 Annual Meeting live activity for a maximum of 16.5 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



ACCREDITATION STATEMENT

The IARS is accredited by the ACCME to provide continuing medical education for physicians.



MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY PROGRAM® (MOCA®)

The 2024 Annual meeting offers up to 43 MOCA points, of which 21 points contribute the patient safety CME component of the American Board of Anesthesiology's redesigned Maintenance of Certification in Anesthesiology™ (MOCA®) program, known as MOCA 2.0®.



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Friday, May 17, 2024

Start Time	End Time	Session
6:00 am	6:45 am	Networking Breakfasts
		<p>Networking Breakfast: Intercontinental Connections <i>Facilitators: Patrick Olomu, MD, FRCA (UK), University of Texas Southwestern Medical Center, Xueqin Ding, MD, PhD, FASA, University Hospitals Cleveland Medical Center</i></p> <p>6:00 am – 6:15 am – Introduction by facilitator and talking points 6:15 am – 6:25 am – Questions from the audience 6:25 am – 6:45 am – Open networking time for all</p>
		Breakfast in Exhibit Hall
7:00 am	8:30 am	<p>T.H. Seldon Memorial Lecture: Soft, Skin-Interfaced Wireless Electronic and Microfluidic Sensors in Medicine <i>Introduction and Welcome from: Beverley A. Orser, MD, PhD, FRCPC, FRSC, University of Toronto, Toronto, ON, Canada and Santhanam Suresh, MD, MBA, FASA, Northwestern University, Chicago, IL</i></p> <p><i>John Rogers, PhD, Simpson/Querrey Professor of Materials Science and Engineering, Biomedical Engineering and Neurological Surgery, Northwestern University McCormick School of Engineering, Chicago, IL</i></p>
8:30 am	9:00 am	Coffee in Exhibit Hall
9:00 am	10:00 am	Concurrent Sessions
		<p>Managing the Unstable Patient After Cardiac Surgery  <i>Moderator: Ronald G. Pearl, MD, PhD, Stanford University Medical Center, Stanford, CA</i></p> <p>Mechanical Circulatory Support in the Cardiothoracic ICU <i>Lauren Sutherland, MD Columbia University Irving Medical Center, New York, NY</i></p>

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		<p>Management of Cardiac Arrest after Cardiac Surgery <i>Vanessa Henke, MD</i> <i>University of California, San Francisco, San Francisco, CA</i></p> <p>The Patient with Pulmonary Hypertension and Right Ventricular Failure After Cardiac Surgery <i>Ronald G. Pearl, MD, PhD</i> <i>Stanford University Medical Center, Stanford, CA</i></p> <p><i>Moderated Q&A</i></p>
		<p>Patient Blood Management is Best Practice in Perioperative Medicine: Co-Sponsored by Society for the Advancement of Patient Blood Management (SABM) </p> <p>Moderator: <i>Prakash A. Patel, MD, Jefferson Abington Hospital, Abington, PA</i></p> <p>Anemia Management: Why It Matters <i>Prakash A. Patel, MD</i> <i>Jefferson Abington Hospital, Abington, PA</i></p> <p>Stop the Bleed! The Anesthesiologist's Role in Optimizing Coagulation <i>Katherine T. Forkin, MD</i> <i>University of Virginia Health System, Charlottesville, VA</i></p> <p>What's New in Pediatric Patient Blood Management <i>Laura A. Downey, MD</i> <i>Emory University, Atlanta, GA</i></p> <p><i>Moderated Q&A</i></p>
		<p>Circadian Rhythm Disruptions in Anesthesia and Critical Care Medicine: Timely Considerations and Implications for Patient Care <i>Moderator: Nadia Lunardi, M.D., Ph.D., University of Virginia School of Medicine</i></p> <p>A Role for Circadian Rhythm Disruption in Postoperative Delirium <i>S. Kendall Smith, MD, PhD</i> <i>Washington University in St. Louis School of Medicine, St. Louis, MO</i></p> <p>Sleep and Circadian Disruption Due to Anesthesia or Critical Illness <i>Matthew B. Maas, MD, M.S.</i></p>

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		<p><i>Northwestern University, Chicago, IL</i></p> <p>Circadian Considerations for Nutrition Support in the ICU <i>Hassan S. Dashti, PhD, R.D</i> <i>Massachusetts General Hospital, Boston, MA</i></p> <p><i>Moderated Q&A</i></p>
		<p>Leveraging Translational Neuroscience to Understand Postoperative Neurocognitive Disorders in Humans: Insights from Young Investigators: Co-Sponsored by Early-Stage Anesthesiology Scholars (eSAS) Moderator: <i>Michael J. Devinney, MD, PhD, Duke University, Durham, NC</i></p> <p>Blood-Brain Barrier Dysfunction in Postoperative Delirium: Translating Findings from Animal Models <i>Michael J. Devinney, MD</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Prehabilitation for the Brain: Exploring the Role of Functional Connectivity, Brain Resilience, and Computerized Cognitive Training <i>Kimberly F. Rengel, MD, MSCI</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>The Impact of Extracranial Surgery on Functional and Cognitive Outcomes after Traumatic Brain Injury <i>Christopher J. Roberts, MD, PhD</i> <i>Medical College of Wisconsin, Milwaukee, WI</i></p> <p><i>Moderated Q&A</i></p>
		<p>Critical Care at the Right Time, for the Right Patient, Anywhere... </p> <p>Moderator: <i>T. Miko Enomoto, MD, Oregon Health Sciences University, Portland, OR</i></p> <p>Regionalization of Critical Care <i>Matthias J. Merkel, MD, PhD</i> <i>Oregon Health Sciences University, Portland, OR</i></p> <p>Critical Care Outside the ICU: Critical Care Outreach Teams, Just-in-time Beds and Transitional ICUs <i>Liza M. Weavind, MBBCh</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p>

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Start Time	End Time	Session
		<p>Mobile ECMO Audrey Spelde, MD University of Pennsylvania, Philadelphia, PA</p> <p>Moderated Q&A</p>
		Workshops
9:00 am	11:00 am	<p>The Nuts and Bolts of Doing a Basic Manuscript Peer Review</p> <p>Workshop Facilitators:</p> <p><i>Thomas Vetter, MD, MPH, MFA, Dell Medical School University of Texas at Austin, Austin, TX; Jaideep Pandit, MA, DPhil, FRCA, DM University of Oxford, Oxford, UK; Angela Enright, MB, FRCPC, University of British Columbia, Victoria, BC, Canada, and Markus M. Luedi, MD, MBA from Cantonal Hospital of St. Gallen in St. Gallen, Switzerland</i></p> <p>Workshop Co-Facilitators:</p> <p><i>Michael Aziz, MD, Oregon Health & Science University, Portland, OR; Karsten Bartels, MD, PhD, MBA, University of Nebraska Medical Center, Omaha, NE; Ashish Khanna, MD, MS, FCCP, FCCM, FASA, Wake Forest University School of Medicine, Winston-Salem, NC and Elizabeth Whitlock, MD, MSc, University of California, San Francisco, San Francisco, CA.</i></p>
9:00 am	10:00 am	<p>PBLD</p> <p>Emergent Cesarean Delivery in a Patient with Sickle Cell Disease, Acute Chest Syndrome and Dilated Ascending Aorta; Anesthetic Considerations</p> <p><i>Ioannis Angelidis, MD, MSPH, New York University Langone Medical Center, New York, NY</i></p>
10:00 am	11:00 am	Poster Session A and Exhibits

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		Poster Session A
		<p>Mini-Oral Presentations A Moderator: <i>Bradley Fritz, MD, MSCi, Washington University in St. Louis, St. Louis, MO</i></p> <p>Comparison of Point of Care Ultrasound, Magnetic Resonance Imaging, and Digital Examination Techniques for Assessing Nasal Patency before Nasotracheal Intubation: A Randomized Controlled Clinical Study <i>Shagun Shah, MBBS, DA, DNB, FIMSA, MNAMS</i> <i>Rajiv Gandhi Cancer Institute and Research Centre, Delhi, India</i></p> <p>Elevated Serum Renin Before Liver Transplantation is Associated with Increased Vasopressor Requirements and Post-Transplant Organ Dysfunction. <i>Liam St. Hilaire, BS</i> <i>University of California, San Francisco, San Francisco, CA</i></p> <p>Accuracy and Precision of Three Acceleromyographs, Three Electromyographs and a Mechanomyograph Measuring the Train-of-Four Ratio in the Absence of Neuromuscular Blocking Drugs, and the Effect of Normalization of the Acceleromyograph Train-of-Four Ratio <i>Aidan Lopez, BS</i> <i>University of Washington, Seattle, WA</i></p> <p>Association between Surgeon and Anesthesiologist Familiarity and Postoperative complications <i>Amit Saha, PhD</i> <i>Wake Forest School of Medicine, Winston Salem, NC</i></p> <p>Novel Machine Learning-Powered Early Warning Score for Prediction of Patient Deterioration in PACU <i>Annadita Kumar, MD</i> <i>Mass General Brigham, Boston, MA</i></p> <p>A Randomized, Double-Blinded Study of Sugammadex Versus Neostigmine for Reversal of Neuromuscular Blockade in Patients with Severe Renal Impairment <i>Tiffany Moon, M.D.</i> <i>UT Southwestern, Dallas, TX</i></p> <p>Association between intraoperative tidal volume and postoperative acute kidney injury in non-cardiac surgical patients: an inverse probability of treatment weighting analysis <i>Hoo Seung Lee, MD</i> <i>Seoul National University Hospital, Seoul, South Korea</i></p> <p>The Concept of 'Moon Ventilation': How Different Gravitational Positions Impact Harmful Thresholds of Driving Pressure and Temporal Atelectasis Development in Real-Time Operating Theatre Data</p>

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		<i>Aiman Suleiman, MD, MSc</i> <i>Beth Israel Medical Center/Harvard Medical School, Boston, MA</i>
11:00 am	12:00 pm	Concurrent Sessions
		<p>Applying Change Psychology to Positively Influence Change Recipients and Successfully Implement Workplace Transitions Moderator: <i>Elizabeth W. Duggan, MD, MA, University of Alabama Birmingham, Birmingham, AL</i></p> <p>Organizational Change Factors: Pre-Change and Process Change Considerations to Positively Influence the Workplace <i>Mada F. Helou, MD</i> <i>University Hospitals Case Medical Center, Cleveland, OH</i></p> <p>Allyship During Workplace Transitions: How do we Better Consider and Support Underrepresented Faculty? <i>Remigio A. Roque, MD</i> <i>Seattle Children's Hospital/University of Washington, Seattle, WA</i></p> <p>Coaching for Change, Leadership Habits that Offset the Stress and Anxiety of Workplace Change <i>Frank Rosinia, MD, MHCM, ACC</i> <i>University of Texas San Antonio, San Antonio, TX</i></p> <p><i>Moderated Q&A</i></p>
		<p>The Interplay of Vasopressors-Inotropes, Organ Protection & Prediction of Patient Deterioration Across the Care Continuum: Co-Sponsored by Society of Critical Care Anesthesiologists (SOCCA)</p> <p> Moderator: <i>Ashish K. Khanna, MD, MS, FCCP, FCCM, FASA</i> <i>Wake Forest University School of Medicine, Winston-Salem, NC</i></p> <p>Cardiovascular Infusions for Cardiac Surgery and Forecasting Hemodynamic Deterioration <i>Michael R. Mathis, MD</i> <i>University of Michigan Medical School, Ann Arbor, MI</i></p> <p>Choosing Wisely in the Non-Cardiac Room - Can We Think Beyond Phenylephrine? <i>Matthieu Legrand, MD, PhD</i> <i>University of California, San Francisco, San Francisco, CA</i></p>

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INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

Start Time	End Time	Session
		<p>Practical Implementation of Rational Vasopressor Selection for Major Surgery <i>Allison M. Janda, MD</i> <i>University of Michigan, Ann Arbor, MI</i></p> <p>Vasopressors & Hemodynamics in Critical Care - How Will We Achieve Precision? <i>Ashish K. Khanna, MD, MS, FCCP, FCCM, FASA</i> <i>Wake Forest School of Medicine, Winston-Salem, NC</i></p> <p><i>Moderated Q&A</i></p>
		<p>Leveraging Multi-Omic Technologies for Precision Anesthesiology: Co-Sponsored by Early-Stage Anesthesiology Scholars (eSAS) Moderators: <i>Joseph Scarpa, MD, PhD, New York Presbyterian Hospital - Weill Cornell Medicine, New York, NY and Saul S. Siller, MD, PhD, Yale School of Medicine, New Haven, CT</i></p> <p>Leveraging Proteomics to Characterize Neuroinflammation and Cognitive Decline <i>Miles Berger, MD, PhD</i> <i>Duke University Medical Center, Durham, NC</i></p> <p>Single-Cell Mass Cytometry to Measure the Immune Response to Surgery and Predict Functional Recovery <i>Brice Gaudilliere, MD, PhD</i> <i>Stanford University, Stanford, CA</i></p> <p>Genomics and Transcriptomics in Cardiac Disease and Cardiovascular Surgery <i>Jochen D. Muehlschlegel, MD, MMSc, MBA</i> <i>Johns Hopkins Medicine, Baltimore, MD</i></p> <p><i>Moderated Q&A</i></p>
		<p>Tranq Dope and Elephant Tranquilizers – Veterinary Anesthetics in Human Medicine </p> <p>Moderator: <i>Kristopher Schroeder, MD, FASA, University of Wisconsin, Department of Anesthesiology, Madison, WI</i></p> <p>Education and Advocacy Opportunities <i>Sudheer Potru, DO, FASA, FASAM</i> <i>Emory University School of Medicine/Atlanta VA Medical Center, Atlanta, GA</i></p> <p>Pharmacology and Clinical Use of Veterinary Anesthetics</p>

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		<p><i>Carrie Schroeder, DVM, DACVAA</i> <i>University of Wisconsin School of Veterinary Medicine, Madison, WI</i></p> <p>Clinical Impact and Treatment of Patients Exposed to Veterinary Anesthetics <i>Daniel Larach, MD, MSTR</i> <i>Vanderbilt University, Nashville, TN</i></p> <p><i>Moderated Q&A</i></p>
		<p>Leveraging Large Databases: The Future of Critical Care Research: Co-Sponsored by</p> <p>Society of Critical Care Anesthesiologists (SOCCA) </p> <p>Moderator: <i>Allison Dalton, MD, University of Chicago, Chicago, IL</i></p> <p>Using Artificial Intelligence, Machine Learning, and Predictive Analytics in Critical Care Research <i>Piyush Mathur, MD, FCCM, FASA</i> <i>Cleveland Clinic, Cleveland, OH</i></p> <p>The Nuts and Bolts of Large Database Research <i>Hannah Wunsch, MD, MSc</i> <i>Weill Cornell University, New York, NY</i></p> <p>What It Takes to Create a Multi-Institutional Registry: Lessons Learnt from the SCCM VIRUS (COVID-19) Registry <i>Rahul Kashyap, MBBS, MBA</i> <i>Wellspan Health, York, PA</i></p> <p><i>Moderated Q&A</i></p>
11:00 am	12:00 pm	PBLD
		<p>PBLD: Carcinoid Syndrome and Major Intraabdominal Surgery: One Surgery with Three Etiologies for Hypotension</p> <p><i>Manxu Zhao, MD, Cedars Sinai Medical Center, Los Angeles, CA</i></p>
12:00 pm	1:30 pm	Lunch On Own

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Preliminary Program

Start Time	End Time	Session
		<p>IARS Mentored Research Awards (IMRA) Update Moderator: <i>Kristin Schreiber, MD, PhD, Brigham and Women’s Hospital, Boston, MA</i></p> <p>Introduction <i>Kristin Schreiber, MD, PhD</i></p> <p>Characterization of platelet function in neonates undergoing cardiac surgery <i>Laura Downey, MD, Emory University, Atlanta, GA</i></p> <p>Multomics Profiling in Right Ventricular Failure after Cardiac Surgery: From Clinical Trial to Career Development <i>Kamrouz Ghadimi, M.D., MHS, Duke University Medical Center, Durham, NC</i></p> <p>Targeting Inflammatory Cell Death In Pulmonary Hypertension and Beyond <i>Neil Goldenberg</i></p> <p>Using proteomics and genomics to better understand the complications after cardiac surgery <i>Jessica Spence, MD, PhD, McMaster University, Hamilton, ON, Canada</i></p>
1:30 pm	2:30 pm	Poster Session B and Exhibits
		Poster Session B
		<p>Mini-Oral Presentations B Moderator: <i>Vidya Raman, MD, MBA, Ohio State University, Columbus, OH</i></p> <p>Pilot Study for malignant hyperthermia genetic variant screening and clinical decision support <i>Andrew Locke, BS NorthShore University HealthSystem, Evanston, IL</i></p> <p>Point-of-Care Ultrasound Training to Screen for Frailty <i>Leslie Wann, BA UCLA David Geffen School of Medicine, Los Angeles, CA</i></p> <p>Evaluation of An Anesthesiology Fellowship Career Development Curriculum</p>

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		<p><i>Sarah Alber, MD</i> <i>University of Colorado, Aurora, CO</i></p> <p>Analysis of the Association Between Performance on Multicenter Perioperative Outcomes Group (MPOG) Quality Improvement Clinical Measures and Participation in the Maintenance of Certification in Anesthesiology (MOCA) Program in the State of Michigan in 2019 <i>Benjamin Cloyd, MD, MPH</i> <i>University of Colorado Department of Anesthesiology, Aurora, CO</i></p> <p>Effects of different anesthetics on the esophageal contractile response during functional lumen imaging probe topography <i>Erin Toaz, MD</i> <i>Ann & Robert H. Lurie Children's Hospital of Chicago, Chicago, IL</i></p> <p>Development and Validation of a score to predict Postoperative Respiratory Complications in Infants and Children <i>Can Matin Luedeke, Doctoral Candidate</i> <i>Montefiore Medical Center, Bronx, NY</i></p>
2:30 pm	3:30 pm	<p>Concurrent Sessions</p> <p>Pediatric Chronic Post-Surgical Pain: What Is the Scope of The Problem and What Are We Doing About It? Moderator: <i>Thomas A. Anderson, MD, PhD, Stanford University School of Medicine, Stanford, CA</i></p> <p><i>Lisa Isaac, MD</i> <i>Hospital for Sick Children, Toronto, ON, Canada</i></p> <p><i>Jennifer Rabbitts, MD</i> <i>Stanford University, Stanford, CA</i></p> <p><i>Jennifer Stinson, RN-EC, PhD, CPNP, FAAN</i> <i>Hospital for Sick Children, Toronto, ON, Canada</i></p> <p><i>Moderated Q&A</i></p>

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		<p>Harnessing Technology to Enhance Patient Outcomes: Co-Sponsored by American Society of Enhanced Recovery (ASER) Moderator: <i>Anoushka Afonso, MD, Memorial Sloan Kettering Cancer Center, New York, NY</i></p> <p>Machine Learning for Perioperative Risk Prediction <i>Hannah Lonsdale, MBChB Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Impact of Spatial Data Science on Patient Outcomes <i>Jonathan Tan, MD, MPH, MBI, FASA Children's Hospital Los Angeles, Los Angeles, CA</i></p> <p>Virtual Reality & Wearables, more than just Impressive Imagination! <i>Ashish K. Khanna, MD, MS, FCCP, FCCM, FASA Wake Forest University School of Medicine, Winston-Salem, NC</i></p> <p><i>Moderated Q&A</i></p>
		<p>Preoperative Fasting - Does One Size Fit All? : Co-Sponsored by Early-Stage Anesthesiology Scholars (eSAS) </p> <p>Moderator: <i>Alexander Nagrebetsky, MD, MSc, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> <p>Harm From Preoperative Fasting? Show Me the Data <i>Alexander Nagrebetsky, MD, MSc Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> <p>Evidence-Based Preoperative Fasting Practice – What Do We Know So Far? <i>Federico Bilotta, MD, PhD University of Rome, Sapienza, Rome, Italy</i></p> <p>Preoperative Fasting in High-Risk Populations Including Patients on Newer Diabetes Medications <i>Ying Hui YL. Low, MD Dartmouth Health, Lebanon, NH</i></p> <p><i>Moderated Q&A</i></p>

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		<p>Charting the future of anesthesiology education: Informing the work of the Anesthesia Research Council education workgroup utilizing a consensus building process</p> <p>Moderator: <i>YS Prakash, MD, PhD, Mayo Clinic, Rochester, MN</i></p> <p>Speakers: <i>Amy Miller Juve, EdD, MEd, Oregon Health & Science University, Portland, OR, Elizabeth Duggan, MD, MA, University of Alabama Birmingham, Birmingham, John Mitchell, MD, Henry Ford Health, Michigan State University CHM, Detroit, MI</i></p>
		<p>Is ECPR DOA?: Perspectives and Current Evidence </p> <p>Moderators: <i>Matthew Wiepking, University of Southern California, Los Angeles, CA and Anahat Dhillon, MD, Keck Medical School, Ojai, CA</i></p> <p>ECPR Done Right: What Successful Centers--and People--Do to Ensure Smooth and Effective ECPR Starting from the Community and Ending in the ICU <i>Leon A. Eydelman, MD Advocate Lutheran General Hospital, Chicago, IL</i></p> <p>Review of the Current Evidence and Outcomes for ECPR <i>Christopher O. Ortiz, MD, PhD University of California San Francisco, San Francisco, CA</i></p> <p>The Technical and Professional Implications of ECPR for an Institution and its Impact on Patients and Families <i>Maxwell Hockstein, MD Georgetown University School of Medicine, Washington, DC</i></p> <p><i>Moderated Q&A</i></p>
2:30 pm	3:30 pm	PBLD
		<p>PBLD: Descending Thoracic Aortic Repair - Spinal Cord Protection Strategies</p> <p><i>Harendra Arora, MD, MBA, FASA, University of Mississippi Medical Center, Jackson, MS</i></p>
		Workshops

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Start Time	End Time	Session
2:30 pm	4:30 pm	<p>Marketing You and Your Science to the NIH: Grant Prep Workshop</p> <p><i>Meredith C. B. Adams MD, MS, FASA, FAMIA</i> <i>Wake Forest School of Medicine, Winston-Salem, NC</i></p> <p>Intro: Scientific Communication: Why Should You Waste Time on Making It Shiny?</p> <p>Section 1: Your Superhero Research Origin Story Overview: The Career Development/Personal Background for Grants Workshop Exercise: Storyboarding your Heroic Research Journey</p> <p>Section 2: Scientific Storytelling Overview: Biosketch Background/Contributions to Science Workshop Exercise: How to Use Your Biosketch to Highlight the Story You Want to Tell with Your Grant</p>
3:30 pm	4:00 pm	<p>Coffee in Exhibit Hall</p>
4:00 pm	5:30 pm	<p>Anesthesia & Analgesia: Access to Anesthesia Care - A Universal Challenge? 🌐</p> <p>Moderator: <i>Angela C. Enright, MB, FRCPC, University of British Columbia, Vancouver, BC, Canada</i></p> <p>Is Access to Anesthesia Care Equitable in High-Income Countries? <i>Beverley A. Orser, MD, PhD, FRCPC, FRSC</i> <i>Faculty of Medicine, University of Toronto, Toronto, ON, Canada</i></p> <p>Can Anesthesia and Surgery in Health Systems Respond Effectively to the Post-Covid Surgical Backlog? - The UK Perspective <i>Jaideep J. Pandit, MA, DPhil, FRCA, DM</i> <i>University of Oxford, Oxford, United Kingdom</i></p> <p>Improving Access to Anesthesia and Surgery in Low- and Middle-Income Countries – How Data is Helping Us Understand What Is Needed <i>Bruce Biccard, MBChB, FCA(SA), FFARCSI, MMedSci, PhD</i> <i>University of Cape Town, Cape Town, South Africa</i></p>

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		<i>Moderated Q&A</i>
5:45 pm	6:45 pm	<p>Concurrent Oral Abstract Sessions</p> <p>Oral Abstract Session: Pre-Clinical Abstracts Moderator: <i>Vidya Raman, MD, MBA, Ohio State University, Columbus, OH</i></p> <p>An Observational Study Comparing Intrathoracic Pressure Changes and Stroke Volume Variation with Abdominal Insufflation: Stroke Volume Variation vs. Esophageal pressure <i>Sadaf Sadjadi, BA</i> <i>University of California, Davis, Davis, CA</i></p> <p>INHIBITION OF TYPE I INTERFERON SIGNALING ALLEVIATES MICROGLIAL INFLAMMATION IN AGED MICE FOLLOWING TRAUMATIC BRAIN INJURY <i>James P. Barrett, PhD</i> <i>University of Maryland, College Park, MD</i></p> <p>Early septic thrombocytopenia is characterized by caspase-9 mediated apoptosis which is suppressed in late stage surviving murine platelets <i>Emily Bergbower, MD, PhD</i> <i>University of Maryland School of Medicine, College Park, MD</i></p> <p>Early detection of respiratory dysfunction by analysis of pulse oximetry time series in a murine model of hyperoxic lung injury <i>Sylvia Ranjeva, MD, PhD</i> <i>Massachusetts General Hospital, Boston, MA</i></p> <p>ATF5-dependent GDF15 expression modulates sevoflurane-induced neuroprotection via the mitochondrial unfolded protein response in the MCAO mouse model <i>Xianshu Ju, MD, PhD</i> <i>Chungnam National University School of Medicine, Daejeon, South Korea</i></p>
		<p>Oral Abstract Session: Mixed Abstract Categories Moderator: <i>Nikolaos Skubas, MD, Cleveland Clinic, Cleveland, OH</i></p> <p>Perioperative Adverse Events in Adult Patients with Obstructive Sleep Apnea Undergoing Ambulatory Surgery: An Updated Systematic Review and Meta-Analysis <i>Felicia Ceban, HBSc</i></p>

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		<p><i>Michael G. DeGroot School of Medicine, McMaster University, Hamilton, Ontario</i></p> <p>A negative association between preoperative prognostic nutritional index and postoperative delirium in elderly patients undergoing spine surgery: A retrospective analysis <i>Hoo Seung Lee, MD</i> <i>Seoul National University Hospital, Seoul, South Korea</i></p> <p>Processed Index Parameters Used in Neuroanesthesia Monitoring Obscure EEG Features Associated with Alzheimer's Disease and Frontotemporal Dementia <i>Stefan Schwerin, MD</i> <i>Klinikum rechts der Isar, School of Medicine and Health, TUM, Munich, Germany</i></p> <p>Intraoperative Hypotension and Long-term Neurodevelopmental Outcomes in Children Undergoing Inpatient Surgery <i>Tanvee Singh, MD, MPH</i> <i>Columbia University Irving Medical Center, New York, NY</i></p> <p>Using Performance Frontiers to Evaluate Non-OR Anesthesia (NORA) Efficiency: Metrics and Strategy <i>Justin Routman, M.D., M.S.H.A</i> <i>Medical School University of Alabama at Birmingham, Birmingham, AL</i></p>
		<p>Oral Abstract Session: Medically Challenging Cases</p> <p>Moderators: <i>BobbieJean Sweitzer, MD, Inova, Fairfax, VA, Executive Editor, A&A Practice, and Markus M. Luedi, MD, MBA from Cantonal Hospital of St. Gallen in St. Gallen, Switzerland, Associate Editor, A&A Practice</i></p> <p>Acute Cardiac Allograft Rejection Treatment via Plasmapheresis with Inadvertent Whole Blood Volume Replacement and Hypoxic PEA Arrest in an Orthotopic Heart Transplant Patient <i>Subasish Bhowmik, MD</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Management of Acute Hypoxic Respiratory Failure in a Patient with Tracheal Injury <i>Rachel Morris, MD</i> <i>Beth Israel Deaconess Medical Center, Boston, MA</i></p> <p>Optimizing Airway Management: The Role of Preoperative Endoscopic Airway Assessment (PEAE) for an Anticipated Difficult Airway in the Critically Ill <i>Olivia Serigano, MD</i> <i>Stanford University Hospital, Stanford, CA</i></p>

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Start Time	End Time	Session
		<p>Novel Treatment of Bilateral Vasospasms Secondary to BOLT using Papaverine <i>X-zavyer Smith</i> <i>Vanderbilt University, Nashville, TN</i></p>
		<p>Oral Abstract Session: Critical Care I <i>Moderator: Kathryn Rosenblatt, MD, MHS, Johns Hopkins University School of Medicine, Baltimore, MD</i></p> <p>Association of Area Deprivation Index with Mortality in Critically Ill Adults with COVID-19 <i>Ronald Harris, MMCi</i> <i>Duke University, Durham, NC</i></p> <p>A Comparative Study on Point of Care ROTEM versus Traditional Coagulation Assessments in the Post-operative Cardiac Patient <i>Lindsey Senozan, MD, MPH</i></p> <p>Trajectories of Muscle Health During Critical Illness and their Relationship to Long-Term Functional Outcomes <i>Kimberly Rengel, MD, MSCI</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Fiber As Foe? Effects of Fiber enriched Enteral Nutrition on Gut and Oral Microbial Composition in Critically Ill Trauma Patients <i>Mara Serbanescu, MD</i> <i>Duke University Hospital, Durham, NC</i></p> <p>Discordance in the Interpretation of Nonsignificant Results in Sepsis-Related Randomized Controlled Trials Using Likelihood Ratios Compared to Published Estimates of Effect <i>Herie Sun, MD</i> <i>Columbia University Irving Medical Center, New York, NY</i></p> <p>Ketamine-Fentanyl Versus Fentanyl for Analgosedation in Postoperative Intensive Care Patients: A Randomized Controlled Trial <i>Karuna Wongtangman, MD</i> <i>Faculty of Medicine, Siriraj Hospital, Bangkok, Thailand</i></p>
7:00 pm	8:00 PM	<p>Welcome Reception in the Exhibit Hall - Sponsored by the University of Washington</p>

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Preliminary Program

Start Time	End Time	Session
Saturday, May 18, 2024		
6:00 am	6:45 am	Networking Breakfasts
		<p>Women in Anesthesia Networking Breakfast Moderator: <i>Beverley A. Orser, MD, PhD, FRCPC, FRSC, Faculty of Medicine, University of Toronto, Toronto, ON, Canada</i></p> <p>Panelists: <i>Shagun Shah, MBBS, DA, DNB, FIMSA, MNAMS, Rajiv Gandhi Cancer Institute and Research Centre, Delhi, India, Kimberley Rengel, MD, MSCI, Vanderbilt University Medical Center, Nashville, TN, Jessica Spence, MD, PhD, McMaster University, Hamilton, ON, Canada, Mada Helou, MD, University Hospitals Case Medical Center, Cleveland, OH</i></p> <p>6:00 am – 6:15 am – Introduction by facilitator and talking points 6:15 am – 6:25 am – Questions from the audience 6:25 am – 6:45 am – Open networking time for all</p>
		<p>Networking Breakfast: RADAR: A Journey in Health Equity Research Moderator: <i>Allison Mitchell Washington University in St. Louis School of Medicine, St. Louis, MO</i></p> <p>6:00 am – 6:15 am – Introduction by facilitator and talking points 6:15 am – 6:25 am – Questions from the audience 6:25 am – 6:45 am – Open networking time for all</p>
		Breakfast in Exhibit Hall
7:00 am	8:30 am	<p>Targets for Prevention of Perioperative Neurocognitive Disorders: What's New in Town? Co-Sponsored by Society for the Advancement of Geriatric Anesthesia (SAGA) </p> <p>Moderator: <i>Lisbeth A. Evered, MSc, PhD, Weill Cornell Medicine, New York, NY</i></p>

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Preliminary Program

Start Time	End Time	Session
		<p>Volatile Versus Intravenous Anesthesia to Reduce PND <i>Lisbeth A. Evered, MSc, PhD</i> <i>Weill Cornell Medicine, New York, NY</i></p> <p>What Can Blood Biomarkers Tell Us About PND? <i>David A. Scott, MB., BS., FANZCA, PhD</i> <i>St. Vincent's Hospital Melbourne and University of Melbourne, Melbourne, Australia</i></p> <p>Mechanisms of Anesthesia and PND <i>Roderic Eckenhoff, MD, University of Pennsylvania Perelman School of Medicine, Philadelphia, PA</i></p> <p><i>Moderated Q&A</i></p>
8:30 am	9:00 am	Coffee in Exhibit Hall
9:00 am	5:00 pm	<p style="text-align: center;">eSAS Scholars' Day Program</p> <p>9:00 am – 10:00 am – Establishing an Early-Career Research Program: Reflections from Established Investigators <i>Moderator: Allison Janda, MD, University of Michigan, Ann Arbor, MI</i></p> <p>The Basics of Building a Basic Science Laboratory <i>Paul Riegelhaupt, MD, PhD</i> <i>Weill Cornell Medicine, New York, NY</i></p> <p>From Pilot Studies to Leading Larger Clinical Studies: What it Takes to Develop a Clinical Research Program <i>Rebecca Aslakson, MD</i> <i>The University of Vermont, Burlington, VT</i></p> <p>Enabling Informatics, Health System and Outcomes Research <i>Meredith Adams, M.D., M.S., FASA, FAMIA</i> <i>Wake Forest School of Medicine, Winston-Salem, NC</i></p>

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INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

Start Time	End Time	Session
		<p>11:00 pm – 12:00 pm – Lunch and eSAS Business Meeting</p> <p>12:00 pm – 1:30 pm – Launching an Academic Career with the support of Departments, Foundations and the NIH <i>Moderator: Kimberley Rengel, MD, MSCI, Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Opening Remarks and Introductions <i>Kimberley Rengel, MD, MSCI, Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Obtaining Early-Career Support from Foundations <i>Chad M. Brummett, MD</i> <i>University of Michigan, Ann Arbor, MI</i></p> <p>Grants Advice for Early Career Investigators <i>Luci Roberts, Ph.D.</i> <i>National Institute on Aging, Bethesda, MD</i></p> <p>2:30 pm – 3:30 pm - Succeeding across the Tripartate Mission <i>Moderator: Bradley Fritz, MD, MSCI, Washington University in St Louis, St. Louis, MO</i></p> <p>Clinical Practice to Inform Latest Research <i>Kimberley Rengel, MD, MSCI</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Becoming an Effective Educator <i>Seyed Safavynia, MD, PhD</i> <i>Weill Cornell Medical Center, New York, NY</i></p> <p>Partnering with Clinical Focused Faculty on Scholarship <i>Douglas Colquhoun, MB ChB, MPH, MSc</i> <i>University of Michigan, Ann Arbor, MI</i></p> <p>3:30 pm – 4:00 pm – Coffee and Mentoring Session</p>
9:00 am	10:00 am	Concurrent Sessions

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Start Time	End Time	Session
		<p>Generative AI and Medicine - Will This Change the Practice of Anesthesiology?</p> <p>Moderator: <i>Michael Burns, MD, PhD, University of Michigan, Ann Arbor, MI</i></p> <p>Generative AI and Machine Learning <i>Christopher W. Connor, MD, PhD Brigham & Women's Hospital, Boston, MA</i></p> <p>Augmenting Anesthesiology Practice with Generative AI <i>Vesela P. Kovacheva, MD PhD Brigham and Women's Hospital Harvard Medical School, Boston, MA</i></p> <p>Is the Clinical World Ready for ChatGPT? <i>Hannah Lonsdale, MBChB Vanderbilt University Medical Center, Nashville, TN</i></p> <p><i>Moderated Q&A</i></p>
		<p>Developing Practice Changing Evidence Through Innovative Pragmatic Randomized Clinical Trial</p> <p>Moderator: <i>Douglas A. Colquhoun, MB ChB, MPH, MSc, University of Michigan, Ann Arbor, MI</i></p> <p>Practical and Ethical Considerations in the Use of Cluster Crossover Designs in Pragmatic Clinical Trials <i>Jessica Spence, MD, PhD McMaster University, Hamilton, ON, Canada</i></p> <p>It Takes a Village: Quality Collaboratives and the Successful Implementation of Clinical Trials <i>Giana H Davidson, MD, MPH, FACS University of Washington, Seattle, WA</i></p> <p>Leveraging the EHR for Pragmatic Randomized Clinical Trials <i>Douglas A. Colquhoun, MB ChB, MPH, MSc University of Michigan, Ann Arbor, MI</i></p> <p><i>Moderated Q&A</i></p>

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Preliminary Program

Start Time	End Time	Session
		<p>Anesthesia for the Patient with Obesity: Use of Supraglottic Airways, Pediatric Updates, and Apneic Oxygenation: Co-Sponsored by International Society for the Perioperative Care of Patients with Obesity (ISPCOP) </p> <p>Moderator: <i>Tiffany Moon, MD, University of Texas Southwestern, Dallas, TX</i></p> <p>Apneic Oxygenation in Patients with Obesity <i>Anupama Wadhwa, MBBS, MSc, FASA, ABOM, University of Texas Southwestern, Dallas, TX</i></p> <p>Anesthetic Considerations for Extended Use of Supraglottic Airways in Patients with a High BMI <i>Adrian Sultana, MD ISPCOP, Lynnwood, WA</i></p> <p>Pediatric obesity the myths and facts in 2024 <i>Vidya T. Raman, MD, MBA Ohio State University, Columbus, OH</i></p> <p><i>Moderated Q&A</i></p>
		<p>Perioperative Handoffs: How Can We Make Them Better? Co-Sponsored by Society of Critical Care Anesthesiologists (SOCCA) </p> <p>Moderator: <i>Kunal Karamchandani, MD, University of Texas Southwestern Medical Center, Dallas, TX</i></p> <p>Role of EMR in Improving Handoffs During the Perioperative Period <i>Andrea Vannucci, MD University of Iowa - Department of Anesthesia, Iowa City, IA</i></p> <p>Perioperative Handoffs: Why Do We Need Them? <i>Aalok V. Agarwala, MD, MBA Massachusetts General Hospital, Boston, MA</i></p> <p>Critically Ill Patients Undergoing Surgery Need Structured Multidisciplinary Handoffs <i>Christopher Potestio, MD Cooper University Health Care, Camden, NJ</i></p> <p><i>Moderated Q&A</i></p>

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Preliminary Program

Start Time	End Time	Session
9:00 am	11:00 am	<p>Workshops</p> <p>The Fine Art of Performing a Complex Manuscript Peer Review</p> <p>Workshop Facilitators:</p> <p><i>Thomas Vetter, MD, MPH, MFA, Dell Medical School University of Texas at Austin, Austin, TX; Jaideep Pandit, MA, DPhil, FRCA, DM University of Oxford, Oxford, UK; Angela Enright, MB, FRCPC, University of British Columbia, Victoria, BC, Canada, and Markus M. Luedi, MD, MBA from Cantonal Hospital of St. Gallen in St. Gallen, Switzerland</i></p> <p>Workshop Co-Facilitators:</p> <p><i>Michael Aziz, MD, Oregon Health & Science University, Portland, OR; Karsten Bartels, MD, PhD, MBA, University of Nebraska Medical Center, Omaha, NE; Ashish Khanna, MD, MS, FCCP, FCCM, FASA, Wake Forest University School of Medicine, Winston-Salem, NC and Elizabeth Whitlock, MD, MSc, University of California, San Francisco, San Francisco, CA.</i></p>
9:00 am	1:00 pm	<p>Point-of-Care Ultrasound (POCUS) During Medical Emergencies/ Focused Echocardiographic Evaluation in the Peri Resuscitative Period</p>  <p>Facilitators:</p> <p><i>Nibras Bughrara, MD, FCCM, FASA, Albany Medical College, Albany, NY Aliaksei Pustavoitau, MD, The Johns Hopkins Hospital, Baltimore, MD Ranjit Deshpande, MD, FCCM, Yale School of Medicine, New Haven, CT Kapil Gupta, MD, University of Washington, Seattle, WA Sarah Bain, University of Washington, Seattle, WA Andrew Villion, MD, Westchester Medical Center, New York, NY Ruma Bose, MD, Harvard Medical School, Boston, MA Oliver Panzer, MD, Hospital for Special Surgery, New York, NY Rachel EB Kadar, MD, Northwestern Medical Group, Chicago, IL Kunal Karamchandani, MD, UT Southwestern Medical Center, Dallas, TX Omar Durra, MD, Keck Medicine of USC, Los Angeles, CA</i></p>
9:00 am	10:00 am	PBLD

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Start Time	End Time	Session
		<p>PBLD: Perioperative Management of Patients Presenting with Hip Fracture</p> <p><i>Anis Dizdarevic, MD, NY Presbyterian Hospital - Columbia University, New York, NY</i></p>
10:00 am	11:00 am	<p>Poster Session C and Exhibits</p>
		<p>Poster Session C</p>
		<p>Mini-Oral Presentations C</p> <p>Moderator: <i>Susana Vacas, MD, PhD, Massachusetts General Hospital, Harvard Medical School, Boston, MA</i></p> <p>U-shaped association between body mass index and adverse discharge to a nursing home after surgery <i>Maria Rudolph, MD</i> <i>Department of Anesthesiology, Montefiore Medical Center, Bronx, NY</i></p> <p>Feasibility of measuring VTi as a Sole Predictor of Cardiac Output in Pregnant Women <i>Victoria Postnikova, MD</i> <i>University of Ottawa, Ottawa, Canada</i></p> <p>The effect of addition of dexmedetomidine to a mixture of local anesthetic and dexamethasone in ultrasound guided costoclavicular block - A prospective randomised comparative triple blinded study <i>Keerthana, K, MD</i></p> <p>Impact of unconscious race bias amongst anesthesia providers on nonverbal communication during the presurgical anesthesia consult: A prospective, observational cohort study <i>Salameh Obeidat, MD, MSc, MHQS</i> <i>Oregon Health & Science University Hospital, Portland, OR</i></p> <p>Development of a 30-day Postoperative Mortality Prediction Model Based on an Anesthesia Screening Health Questionnaire <i>Preeti Anand, MD</i> <i>Montefiore Medical Center, Bronx, NY</i></p> <p>Emergent Anesthesiology Encounters, Care Practices and Outcomes for Patients with Firearms Injuries: Nine-Year Single Level 1 Trauma Center Experience <i>Andrew Walters</i> <i>University of Washington, Seattle, WA</i></p>

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Start Time	End Time	Session
11:00 am	12:00 pm	<p>Concurrent Sessions</p> <p>Ensuring Patients Benefit from Your Work: Intellectual Property, Patents, and Commercialization</p> <p>Moderator: <i>Beverley A. Orser, MD, PhD, FRCPC, FRSC, Faculty of Medicine, University of Toronto, Toronto, ON, Canada</i></p> <p>The journey from discovery to intellectual property <i>Jason Maynes, PhD, MD Hospital for Sick Children, Toronto, Canada</i></p> <p>On the Road to Innovation: My Journey as a Stanford Biodesign Fellow <i>Patrick Purdon, PhD Stanford University School of Medicine, Stanford, CA</i></p> <p>From the operating room to industry: Building game-changing products. <i>Laura Niklason, MD, PhD Yale School of Medicine, New Haven, CT</i></p> <p>Moderated Q&A</p>
		<p>Cardio-Obstetric Anesthesia: Optimizing the Anesthesia Pregnancy Heart Team for Safe and Equitable Care </p> <p>Moderator: <i>Ruth Landau, MD, Columbia University Irving Medical Center, New York, NY</i></p> <p>Individualized Care: Every Patient is Unique <i>Hanna Hussey, MD University of Alabama at Birmingham, Birmingham, AL</i></p> <p>Ethnic and Racial Disparities: What Does Inclusivity Mean Nowadays for Cardio-Obstetric Patients <i>Carlos M. Delgado Upegui, MD University of Washington, Seattle, WA</i></p> <p>Teams and Resources: Choosing the Optimal Team, Technique, and Contingency Plan <i>Patrick Hussey, MD University of Alabama at Birmingham, Birmingham, AL</i></p>

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Preliminary Program

Start Time	End Time	Session
		<i>Moderated Q&A</i>
		<p>To Err is Human, But to Change Practice, Divine: Recognizing Common Pitfalls in Perioperative Pediatric Transfusion Practices </p> <p>Moderator: <i>Gee Mei Tan, MB.BS, MMED (Anesthesia), Children's Hospital Colorado, Colorado School of Medicine, Aurora, CO</i></p> <p>To Treat or Not to Treat: Managing Perioperative Anemia in Pediatric Surgery Patients <i>Susan M. Goobie, MD, FRCPC, Boston Children's Hospital, Harvard Medical School, Boston, MA</i></p> <p>Why Transfuse One When Half Will Do? Unnecessary Red Blood Cell Transfusions in Pediatric Surgical Patients <i>Laura A. Downey, MD, Emory University, Atlanta, GA</i></p> <p>Resilience is the Enemy of Recognition: The Critically Bleeding Child <i>Kimmo T. Murto, MD, FRCP, Children's Hospital of Eastern Ontario Research Institute, Ottawa, ON, Canada</i></p> <p><i>Moderated Q&A</i></p>
		<p>Shaping the Future of Critical Care Anesthesiology: Workforce, Practice Organization, and Career Development: Co-Sponsored by Society of Critical Care Anesthesiologists (SOCCA) </p> <p>Moderator: <i>Craig S. Jabaley, MD, Emory University, Atlanta, GA</i></p> <p>Optimal Approaches to Critical Care Anesthesiology Practice Organization: Getting from Here to There <i>Brigid C. Flynn, MD, University of Kansas Medical Center, Kansas City, KS</i></p> <p>Challenges and Opportunities in the Critical Care Anesthesiology Workforce Pipeline: Insights from PDAC <i>Erin K. Hennessey, MD, MEHP, Stanford Hospital and Clinics, Stanford, CA</i></p> <p>Professional and Career Development in Critical Care Anesthesiology: Similar but Different? <i>Vivek Moitra, MD, Columbia University, New York, NY</i></p>

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Start Time	End Time	Session
		<i>Moderated Q&A</i>
11:00 am	12:00 pm	PBLD
		PBLD: Pulmonary Artery Catheter Placement and Troubleshooting: A Case Report <i>Shermeen B. Vakharia, MD, University of California, Irvine, Irvine, CA, Darian Parsey, MD, University of California Irvine, Irvine, CA and Sonali Rao, MD, University of California Irvine, Irvine, CA</i>
12:00 pm	1:30 pm	Lunch on Own
1:30 pm	2:30 pm	Poster Session D and Exhibits
		Poster Session D
		Mini-Oral Presentations D <i>Moderator: Rebecca Aslakson, MD, University of Vermont Health Network, Burlington, VT</i>
		Preoperative fasting and clinical aspiration: a systematic review and meta-analysis of recent literature <i>Stephanie Lam, DO, MS</i> <i>UCLA Medical Center, Los Angeles, CA</i>
		Reduction of Gabapentin Use in the Perioperative Setting for Benign Gynecological Surgeries Leads to a Significant Decrease in PACU Length of Stay <i>Marcus Williams</i> <i>University of California, San Francisco, San Francisco, CA</i>
		Postoperative Transglomerular Pressure Gradient Deficit Associated with Acute Kidney Injury in Cardiac Surgical Population <i>Maria Betances Fernandez, MD</i> <i>New York-Presbyterian Hospital - Weill Cornell Medical Center, New York, NY</i>
		EEG state space descriptors in episodes of burst-suppression during surgery-related anesthesia in patients with and without subsequent postoperative delirium: descriptive analysis

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Start Time	End Time	Session
		<p><i>Bruno Neuner, MD, MSc</i> <i>Charité-Universitätsmedizin Berlin, Berlin, Germany</i></p> <p>Isoflurane inhibits endoplasmic uptake of calcium in neuronal synapses from the mouse. <i>Sangwook Jung, PhD</i> <i>Seattle Children's Research Institute, Seattle, WA</i></p> <p>Is Scheduled Methocarbamol Associated with A Reduction In Muscle Spasm Following Posterior Spinal Fusion For Adolescent Idiopathic Scoliosis? <i>K Perrins</i> <i>Elson S. Floyd College of Medicine WSU, Spokane, WA</i></p>
2:30 pm	3:30 pm	<h3>Concurrent Sessions</h3> <p>The Aging Brain in the Perioperative Period: The Interplay Between Neural Oscillations, Cognition and Delirium Moderator: <i>Patrick Purdon, PhD, Stanford University School of Medicine, Stanford, CA</i></p> <p>Anesthetic-Induced Brain Oscillations: How We Can Use Them to Improve Delirium-Related Outcomes? <i>Rodrigo Gutierrez, MD, PhD</i> <i>University of Chile, Santiago, Chile</i></p> <p>Thalamocortical Dysrhythmia as a Shared Mechanism in Delirium and Dementia <i>Miles Berger, MD PhD</i> <i>Duke University Medical Center, Durham, NC</i></p> <p>Using the EEG to Preoperatively Identify the Vulnerable Brain <i>Susana Vacas, MD, PhD</i> <i>Massachusetts General Hospital/ Harvard Medical School, Boston, MA</i></p> <p><i>Moderated Q&A</i></p>
		<p>Generative AI: An Approachable, Equitable and Efficient Tool for Professional Development Moderator: <i>Elizabeth W. Duggan, MD, MA, University of Alabama Birmingham, Birmingham, AL</i></p> <p>Current Technological Support for Professional Development Activities: Friend or Foe?</p>

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Start Time	End Time	Session
		<p><i>Tetsuro Sakai, MD, PhD, MHA</i> <i>University of Pittsburgh Medical Center, Pittsburgh, PA</i></p> <p>Realizing our Limitations and Seeking our Opportunities: Offering Inclusive and Equitable Professional Development Programming <i>Feyce M. Peralta, MD, MS, FASA</i> <i>Northwestern University Feinberg School of Medicine, Chicago, IL</i></p> <p>A Generative AI Platform: A Safe, Nonjudgmental and Equitable Physician Resource to Enhance Professional Development <i>Ryan L. Melvin, PhD</i> <i>University of Alabama Birmingham, Birmingham, AL</i></p> <p><i>Moderated Q&A</i></p>
		<p>Genomics and Personalized Medicine in the Perioperative Period </p> <p>Moderator: <i>Nicholas J. Douville, MD, PhD, University of Michigan, Ann Arbor, MI</i></p> <p>Personalizing Perioperative Pain Management and Opioid Pharmacogenetics <i>Senthilkumar Sathasivam, MD, MPH, MBA, FASA</i> <i>University of Pittsburgh Medical Center, Pittsburgh, PA</i></p> <p>Integration of Novel Artificial Intelligence and Genomics Tools in Perioperative Care <i>Vesela P. Kovacheva, MD PhD</i> <i>Brigham and Women's Hospital Harvard Medical School, Boston, MA</i></p> <p>The Best Medicine: How Pharmacogenomics can Optimize the Anesthetic <i>Ruth S. Waterman, MD, MS</i> <i>University of California, San Diego, San Diego, CA</i></p> <p><i>Moderated Q&A</i></p>
		<p>The Nuts and Bolts of Managing a 'Physiologically Difficult Airway': Co-Sponsored</p> <p>by Society of Critical Care Anesthesiologists (SOCCA) </p> <p>Moderator: <i>Carlee A. Clark, MD, Medical University of South Carolina, Charleston, SC</i></p> <p>What is a Physiologically Difficult Airway"? And Why Does It Matter?" <i>Kunal Karamchandani, MD</i> <i>University of Texas Southwestern Medical Center, Dallas, TX</i></p>

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Start Time	End Time	Session
		<p>Hemodynamic Optimization of Critically Ill Patients Undergoing Tracheal Intubation <i>Mary Jarzebowski, MD</i> <i>Henry Ford Health System, Detroit, MI</i></p> <p>Respiratory Optimization in a Patient with a Physiologically Difficult Airway <i>Craig S. Jabaley, MD</i> <i>Emory University, Atlanta, GA</i></p> <p>Tracheal Intubation in Patient with a Physiologically Difficult Airway: Optimizing Human Factors, Performing the Procedure, and Post-Intubation Care <i>Ravindra Gupta, MD</i> <i>Northwestern Memorial Hospital, Chicago, IL</i></p> <p><i>Moderated Q&A</i></p>
		Workshop
2:30 pm	4:30 pm	<p>Workshop: Advanced Regional Anesthesia Ultrasound Techniques Moderators: <i>Santhanam Suresh, MD, MBA, FASA, Northwestern University, Chicago, IL</i> and <i>Kristin Schreiber, MD, PhD, Brigham and Women's Hospital, Boston, MA</i></p> <p>Facilitators: <i>Pradeep Dinaker, MD, MS, MBA, FAAP, Boston Children's Hospital, Boston, MA, David Furguele, MD, NYU Langone Health, New York, NY, Vicente Garcia Tomas, MD, Northwestern University Feinberg School of Medicine, Jinlei Li, MD, PhD, Yale University, New Haven, CT, Mitchell Marshall, MD, NYU Langone Health, New York, NY, Iyabo Muse, MD, FASA, UVA Health, Charlottesville, VA, Daniel A Perez, MD, University of Miami Miller School of Medicine, Miami, FL, Santhanam Suresh, MD, MBA, FASA, Northwestern University, Chicago, IL, Uchenna Umeh, MD, FASA, Hospital for Special Surgery, New York, NY, Shilpa Kasodekar, MD, PD Hinduja Hospital And Medical Research Centre, Mumbai, India, Neal Mehta, Rush Medical, Yan Lai (Mt. Sinai)</i></p>
2:30 pm	4:30 pm	<p>Workshop: The Ins-and-Outs of Manuscript Preparation: Pearls and Pitfalls</p> <p>Facilitators: <i>Thomas Vetter, MD, MPH, MFA, University of Texas at Austin, Austin, TX; Jaideep Pandit, MA, BM, DPhil, FRCA, FFPMRCA, DM, University of Oxford, Oxford, UK; Lisbeth Evered, MS, PhD, Weill Cornell Medical College, New York, NY; Jennifer Weller, MD, MBBS, MClInEd, FRCA, FANZCA, University of Auckland, Auckland, New Zealand</i></p>
2:30 pm	3:30 pm	PBLD

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Preliminary Program

Start Time	End Time	Session
		<p>PBLD: Critical Care Management of the Patient with Traumatic Brain Injury <i>Jennifer Elia, MD, University of California, Irvine, Irvine, CA and Balbino E. Lopez, MD, University of California, Irvine, Irvine, CA</i></p>
3:30 pm	4:00 pm	<p>Coffee in Exhibit Hall</p>
4:00 pm	5:30 pm	<p>International Science Symposium: Role of the Anesthetist in the Opioid Crisis and the Science of Mitigation </p> <p>Moderator: <i>Beverley A. Orser, MD, PhD, FRCPC, FRSC, Faculty of Medicine, University of Toronto, Toronto, ON, Canada</i></p> <p>Novel Insights into the Science of Opioids: Is there Potential to Make Them Safer? <i>Vivianne Tawfik, MD, PhD Stanford University, Stanford, CA</i></p> <p>The Role of the Anesthesiologist in the Opioid Epidemic <i>Chad M. Brummett, MD University of Michigan, Ann Arbor, MI</i></p> <p>Translating Clinical Work into Policy: Is this Possible? <i>Hance Clarke, MD, PhD, FRCPC Toronto General Hospital, Toronto, ON, Canada</i></p> <p>Moderated Q&A</p>
5:45 pm	6:45 pm	<p>Concurrent Oral Abstract Sessions</p> <p>Oral Abstract Session V: Mixed Abstract Categories Moderator: <i>Kristin Schreiber, MD, PhD, Brigham and Women's Hospital, Boston, MA</i></p> <p>Fibrinogen dose variability in cardiac surgery patients who required cryoprecipitate replacement <i>German Franco, MD Fundacion Cardioinfantil-Instituto de Cardiologia, Bogota, Columbia</i></p>

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		<p>Electroencephalographic (EEG) characteristics in children undergoing sevoflurane anesthesia: comparing EEG-guided anesthesia vs standard care <i>Choon Bong, MBChB, FRCA</i> <i>KK Women's and Children's Hospital, Singapore</i></p> <p>Obstetric Anesthesia Workforce Survey: A 40-Year Update <i>Brenda Bucklin, MD, MEHP, FASA</i> <i>University of Colorado, Aurora, CO</i></p> <p>Comparison of remimazolam-flumazenil versus propofol on recovery during radiofrequency catheter ablation of atrial fibrillation: A randomized controlled trial <i>Hoo Seung Lee, MD</i> <i>Seoul National University Hospital, Seoul, South Korea</i></p> <p>Integrated Multi-omics in Prediction Modeling of Early Right Heart Failure after Left Ventricular Assist Device Implantation <i>Jhana Parikh, MS</i> <i>Campbell University School of Medicine, Lillington, NC</i></p> <p>To study the efficacy of USG guided pecto-intercostal fascial plane block in patients undergoing midline sternotomy in open cardiac surgery: A Randomized prospective comparative study. <i>Chetna Shamshery, MD</i> <i>Sanjay Gandhi Post Graduate Institute of Medical Sciences, Lucknow, India</i></p>
		<p>Oral Abstract Session: Perioperative <i>Moderator: Alexander Zarbock, MD, University of Münster, Munster, Germany</i></p> <p>Intraoperative lactate levels and acute kidney injury after on-pump cardiac surgery: evidence from two-center retrospective cohort study <i>Na Hu, MD</i></p> <p>Prevalence of preoperative depression and adverse outcomes in older patients undergoing elective surgery: A systematic review and meta-analysis <i>Alisia Chen, HBSc</i> <i>University of Toronto, Toronto, Canada</i></p> <p>The Hemodynamic Effects of High Spinal Anesthesia in Infants Undergoing Cardiac Surgery <i>Daniel Conway, BS</i> <i>University of Iowa, Iowa City, IA</i></p>

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		<p>Modeling early lung injury related to perioperative pulmonary atelectasis: an analysis of cell populations in adults <i>David Makaj, B.S.</i> <i>University of Vermont, Larner College of Medicine, Burlington, VT</i></p> <p>Impaired substrate utilisation during cardiopulmonary exercise testing is associated with reduced aerobic fitness in patients undergoing preoperative assessment for elective cancer surgery <i>Nicholas Tetlow, BSc, MSc</i> <i>University College London, London, United Kingdom</i></p> <p>The Association of Anesthesia Directed Sedation and Adverse Discharge in the Endoscopy-Suite <i>Osamah Zmily, BS</i> <i>Albert Einstein College of Medicine, Bronx, NY</i></p>
		<p>Oral Abstract Session: Critical Care II <i>Moderator: Kei Togashi, MD, UCI Health, Orange, CA</i></p> <p>Assessing Nurse Perceptions of CAM-ICU and S-PTD for Delirium Diagnosis: A Comparative Study Across Intensive Care Units <i>Kunal Karamchandani, MD</i> <i>UT Southwestern Medical Center, Dallas, TX</i></p> <p>Are Women More at Risk for Permanent Pacemaker Insertion After Cardiac Surgery? <i>Louisa Palmer, MBBS</i> <i>Brigham and Women's Hospital, Boston, MA</i></p> <p>Association between right ventricular dysfunction on point-of-care ultrasound and mortality in hospitalized patients with COVID-19 <i>Louisa Palmer, MBBS</i> <i>Brigham and Women's Hospital, Boston, MA</i></p> <p>Risk of acute kidney injury associated with culture-positive pathogens in community onset sepsis <i>Miguel Rovira, MD</i> <i>Duke University, Durham, NC</i></p> <p>Endothelial Dysfunction and Postoperative Atrial Fibrillation after Cardiac Surgery <i>Johnny Wei, MD, MS</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p>

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		<p>Oral Abstract Session: Late-Breaking Moderator: <i>Nikolaos Skubas, MD, Cleveland Clinic, Cleveland, OH</i></p> <p>Females in the Canadian anesthesia workforce: A retrospective analysis using Canadian Institute for Health Information data <i>Beverley A. Orser, MD, PhD, FRCPC, FRSC</i> <i>University of Toronto, Toronto, ON, Canada</i></p> <p>Association between anesthesiologist sex and postoperative outcomes: A population-based cohort study <i>Kiyan Heybati, BHSc</i> <i>Mayo Clinic, Rochester, MN</i></p> <p>Awake and anesthesia states can be better separated by the background noise component than the entire EEG <i>Matthias Kreuzer, PhD</i> <i>Technical University of Munich, School of Medicine, Munich, Germany</i></p> <p>Automating Delirium Detection: A Novel Diagnostic Device in the Perioperative Setting <i>Steven Minear, MD, FASA</i> <i>Cleveland Clinic Florida, Weston, FL</i></p> <p>The effects of volatile and intravenous sedative agents on pulmonary and systemic inflammation: A systematic review and meta-analysis. <i>Soroush Rouhani, MD, FRCPC</i> <i>University of Ottawa, Ottawa, Canada</i></p> <p>Short-term outcomes in infants following general anesthesia with low-dose sevoflurane/dexmedetomidine/remifentanyl versus standard dose sevoflurane (The TREX trial) <i>Rita Saynhalath, MD</i> <i>The University of Texas Southwestern Medical Center, Dallas TX</i></p>
		<p>Advanced Hemodynamics of Cardiogenic Shock, Pharmacologic and Mechanical Circulatory Support.</p> <div style="text-align: center;">  </div> <p>Moderator: <i>Marc Dickstein, MD, Columbia University Medical Center, New York, NY</i></p> <p>No Ejection on ECMO, Now What? <i>Vivek Moitra, MD</i> <i>Columbia University, New York, NY</i></p>

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		<p>Applying Physiology at the Bedside <i>Robert N. Sladen, MBChB, MRCP(UK), FRCPC, FCCM</i> <i>Columbia University Irvine Medical Center, New York, NY</i></p> <p>Weaning from MCS <i>Lauren Sutherland, MD</i> <i>Columbia University Irvine Medical Center, New York, NY</i></p> <p>Moderated Q&A</p>
5:45 pm	6:45 pm	PBLD
		<p>PBLD: 'Just give a Bit of Propofol:' Anesthetic Challenges in Hospital Based GI Endoscopy</p> <p><i>Michael Smith, MD, MS, Mayo Clinic Florida, Jacksonville, FL, Ryan Chadha, MD, Mayo Clinic Florida, Jacksonville, FL and Sean Kiley, MD, Mayo Clinic Florida, Jacksonville, FL</i></p>
7:00 pm	9:00 PM	Chair's Reception – Invitation Only
Sunday, May 19		
6:00 am	6:45 am	Networking Breakfasts
		<p>Meet the Editors of A&A – Networking Breakfast</p> <p>6:00 am – 6:15 am – Introduction by facilitator and talking points 6:15 am – 6:25 am – Questions from the audience 6:25 am – 6:45 am – Open networking time for all</p>
		Breakfast in Exhibit Hall

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Start Time	End Time	Session
7:00 am	8:30 am	<p>Plenary – Kosaka Best Abstracts Session</p> <p>Moderators: <i>YS Prakash, MD, PhD, Mayo Clinic, Rochester, MN and Vivianne Tawfik, MD, Stanford University, Stanford, CA</i></p> <p>7:00 am – Introduction 7:05 am</p> <p>Top Clinical Research Presentations</p> <p>7:05 am – External validation of a publicly available surgical transfusion risk prediction model: a multi-centered perioperative outcomes group study 7:13 am <i>Sunny Lou, MD, PhD</i> <i>Washington University in St Louis, St. Louis, MO</i></p> <p>7:13 am – Development and Validation of a score to predict intraoperative blood transfusion 7:21 am <i>Annika Eyth</i> <i>Montefiore Medical Center, Bronx, NY</i></p> <p>7:21 am – Early detection of Palliative Care Need in Intensive Care Unit Patients - Development and Cross-validation of the PC-ICU Score 7:29 am <i>Theresa Tenge, MD</i> <i>Beth Israel Deaconess Medical Center, Boston, MA</i></p> <p>Top Basic Science Presentations</p> <p>7:29 am – In Vivo miR10b-5p Inhibition in Rats is a Novel Therapeutic Strategy for Pulmonary Hypertension 7:37 am <i>Varina Clark Onwunyi, MD</i> <i>UCLA David Geffen School of Medicine, Los Angeles, CA</i></p> <p>7:37 am – Synthetic derivatives of ginger metabolites relax murine airway smooth muscle ex vivo and in vivo 7:45 am <i>Elvedin Lukovic, MD, PhD</i> <i>Columbia University Medical Center, New York, NY</i></p> <p>7:45 am – Anesthetic's adverse effects on human cerebral organoids: a comprehensive study from molecules to tissue 7:53 am <i>Xiaowen Bai, Ph. D</i> <i>Medical College of Wisconsin, Milwaukee, WI</i></p> <p>Top Scholars Presentations</p> <p>7:53 am – Deciphering the Translational Perturbations Associated with Acute and Chronic Pain in Mouse 8:01 am <i>Richard Perez, MD</i> <i>Stanford University Health Care, Stanford, CA</i></p> <p>8:01 am – Dissecting genetic mechanisms of differential locomotion, allodynia, and depression after spinal cord injury in three mouse strains 8:09 am <i>Wendy Yang</i> <i>University of South Florida, Tampa, FL</i></p> <p>8:09 am – Influence of resuscitation interventions following hemorrhagic shock on urinary oxygen in swine 8:17 am <i>Lars Lofgren, M.S.</i></p>

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Start Time	End Time	Session
		<i>University of Utah, Salt Lake City, UT</i>
		8:17 am – Judges Deliberate 8:23 am 8:23 am – Winners Announced 8:30 am
8:30 am	9:00 am	Coffee in Exhibit Hall
9:00 am	10:00 am	Concurrent Sessions
		<p>SmartTots Panel: Physiologic Changes and Pediatric Anesthetic Neurotoxicity Moderator: <i>Dean B. Andropoulos, MD, Texas Children's Hospital/ Baylor College, Houston, TX</i></p> <p>Magnetic Resonance Imaging Connectivity Changes after Neonatal Anesthesia in Nonhuman Primates: A Biomarker of Anesthetic Neurotoxicity? <i>Viola Neudecker, MD Columbia University Medical Center, New York, NY</i></p> <p>The Electroencephalogram During General Anesthesia in Infants: Evidence of Neurotoxicity? <i>Ian Yuan, MD The Children's Hospital of Philadelphia, Philadelphia, PA</i></p> <p>TREX Trial: Will Dexmedetomidine Improve Neurodevelopmental Outcomes? <i>Dean B. Andropoulos, MD, Texas Children's Hospital/ Baylor College, Houston, TX</i></p> <p><i>Moderated Q&A</i></p>
		<p>Mock Study Section - An Interactive Panel: Co-Sponsored by Early-Stage Anesthesiology Scholars (eSAS) Moderator: <i>Douglas A. Colquhoun, MB ChB, MPH, MSc, University of Michigan, Ann Arbor, MI</i></p> <p><i>Douglas A. Colquhoun, MB ChB, MPH, MSc University of Michigan, Ann Arbor, MI</i></p> <p><i>Kimberly F. Rengel, MD Vanderbilt University, Nashville, TN</i></p>

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		<p><i>Daniel S. Rubin, MD, MS</i> <i>University of Chicago, Chicago, IL</i></p> <p><i>Moderated Q&A</i></p>
		<p>'OUCH! Did That Just Happen?': Anesthesiology's Workplace Violence Problem </p> <p>Moderator: <i>Emily Methangkool, MD, MPH, University of California, Los Angeles, Los Angeles, CA</i></p> <p><i>Della M. Lin, MS MD</i> <i>Anesthesia Patient Safety Foundation, Honolulu, HI</i></p> <p><i>Alexander Hannenberg, MD</i> <i>Ariadne Labs, Boston, MA</i></p> <p><i>Randolph H. Steadman, MD, MS</i> <i>Houston Methodist Hospital, Houston, TX</i></p> <p><i>Moderated Q&A</i></p>
		<p>Promoting Population Health Through Innovative Community Engagement: Case Studies and Lessons learned</p> <p>Moderator: <i>Marie A. Theard, MD, Anesthesia and Pain Medicine, University of Washington, Seattle, WA</i></p> <p>Promoting Population Health Through Innovative Community Engagement in Injury and Violence Prevention: A Model Prototype <i>Monica S. Vavilala, MD</i> <i>University of Washington, Seattle, WA</i></p> <p>The Anesthesiologist as a Public Health Physician: The Role of Anesthesiologists in Preventing Substance Misuse <i>Adam J. Milam, MD, PhD</i> <i>Mayo Clinic Arizona, Scottsdale, AZ</i></p> <p>Educating Youth on Injury and Violence: Strategies for Prevention for the Community with Community <i>Thabiti Lewis, MAT, PhD</i> <i>Washington State University, Vancouver, Vancouver, WA</i></p> <p><i>Moderated Q&A</i></p>

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Start Time	End Time	Session
		<p>Tribulations of Trials in Critical Care: Why Are Most Critical Care RCTs Negative?</p> <p> SOCCA Moderator: <i>Miriam Treggiari, MD, PhD, Duke University, Durham, NC and Vijay Krishnamoorthy, MD PhD, Duke University, Durham, NC</i></p> <p>The Heterogeneity of Critical Illness: Sepsis as a Case Study <i>Emily A. Vail, MD, MSc University of Pennsylvania, Philadelphia, PA</i></p> <p>Getting More Juice for the Squeeze: Improving Causal Inference from Observational Study Designs <i>Karthik Raghunathan, MBBS MPH Duke University Medical Center, Durham, NC</i></p> <p>The Future of Clinical Trial Design in Critical Care: Pragmatic Trials, Response-Adaptive Randomization, and Platform Trial Design <i>Marcos G. Lopez, MD, MS Vanderbilt University Medical Center, Nashville, TN</i></p> <p><i>Moderated Q&A</i></p>
9:00 am	10:00 am	<p>PBLD</p> <p>PBLD: Tonsillectomy in a Child-Avoid the Pitfalls: Co-Sponsored by Society of Anesthesia and Sleep Medicine (SASM)</p> <p><i>Kimmo T. Murto, MD, FRCP, Children's Hospital of Eastern Ontario Research Institute, Ottawa, ON, Canada</i></p>
		<p>Workshops</p>
10:00 am	11:00 am	<p>Poster Session E and Exhibits</p>
		<p>Poster Session E</p>

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		<p>Mini-Oral Presentations E Moderator: <i>Rebecca Aslakson, MD, University of Vermont Health Network, Burlington, VT</i></p> <p>Motion Augmented eXperience (MAX) Feedback enhances POCUS Performance as Compared to Traditional Expert Feedback, a Pilot Study <i>Layal Abou Daher, MD</i> <i>Henry Ford Health, Detroit, MI</i></p> <p>The Association of Postoperative Acute Pain Trajectories with Subsequent Risk of Chronic Post-Surgical Pain: A Prospective Cohort Study in Patients Undergoing Abdominal Surgery <i>Dongxu Chen, PhD</i> <i>West China Second Hospital of Sichuan University, Chengdu, China</i></p> <p>Comparing Patient Education Material Efficacy between English and Spanish Speaking Caregivers <i>Alexia Gagliardi, BA</i> <i>Geisinger Commonwealth School of Medicine, Missoula, MT</i></p> <p>Widespread Muscle Pain, But Not Paw Inflammation, Reduces Motivation and Active Coping Strategies in Mice <i>Nicholas Gregory, MD, PhD</i> <i>Stanford University, Stanford, CA</i></p> <p>Development of a Score to Predict the Probability of Perioperative Pulmonary Embolism or Deep Vein Thrombosis (Patient Safety Indicator, Psi 12) In Surgery Patients <i>Aline Grimm</i> <i>Department of Anesthesiology, Montefiore Medical Center, Bronx, NY</i></p> <p>The Association Between Preoperative Antidepressant Use and Postoperative Opioid Consumption: A Hospital Registry Study <i>Shinichiro Kato, MD</i> <i>Beth Israel Deaconess Medical Center, Boston, MA</i></p> <p>Outcomes Following Integration of Minimally Invasive Hemodynamic Monitoring with Team-based Care Protocols for Perioperative CV Patients <i>George Palmer, MD</i> <i>AdventHealth Medical Group, Orlando, FL</i></p> <p>Comparative Study of Muscle Contraction Evaluation By Three-Dimensional Acceleromyography And Electromyography Under sevoflurane Anesthesia <i>Ayumi Sakamaki</i> <i>Tokyo Women's Medical University, Adachi Medical Center, Tokyo, Japan</i></p>

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Start Time	End Time	Session
11:00 am	12:00 pm	<p>Concurrent Sessions</p> <p>Cancer Care Opportunities and Challenges for the Anesthesiologist in the Developing World - Co-sponsored by the WFSA</p> <p><i>Moderator: Vijaya Gottumukkala, MB; BS, MD (Anes), FRCA, FASA, The University of Texas MD Anderson Cancer Center, Pearland, TX</i></p> <p>Epidemiology of cancer in low and medium-income countries (LMIC), and challenges of perioperative care <i>Shagun Bhatia Shah, MBBS; DA; DNB; FIMSA; MNAMS Rajiv Gandhi Cancer Institute And Research Centre, Delhi, India</i></p> <p>Teaching and training schedule for oncoanaesthesia: Pitfalls in a resource constrained environment Cláudia Marquez Simões, São Paulo, Brazil</p> <p>Integrating palliative and integrative medicine into the curricula and practice of oncoanesthesiology - Challenges in a developing nation Pre-recorded <i>Rajiv Chawla, MBBA, MD Rajiv Gandhi Cancer Institute & Research Centre, Delhi, India</i></p>
		<p>Sailing Through Your Statistical Review: Design, Analysis and Reporting Tips for Every Manuscript</p> <p><i>Moderator: Edward Mascha, PhD, Cleveland Clinic, Cleveland, OH</i></p> <p>Introduction to Statistical Review: Goals, Tough Love, and the Fuss About Sample Size Justification <i>Edward Mascha, PhD Cleveland Clinic, Cleveland, OH</i></p> <p>A Checklist Made for You: Overcoming the Most Common Weaknesses Seen During the Statistical Review. <i>Phillip Schulte, PhD Mayo Clinic, Rochester, MN</i></p> <p>Getting Systematic Reviews and Meta-Analyses to the Finish Line <i>Nathan L. Pace, MD, MStat University of Utah, Salt Lake City, UT</i></p> <p><i>Moderated Q&A</i></p>

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CREDIT DESIGNATION STATEMENT

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ACCREDITATION STATEMENT

The IARS is accredited by the ACCME to provide continuing medical education for physicians.



MAINTENANCE OF CERTIFICATION IN ANESTHESIOLOGY PROGRAM® (MOCA®)

The 2024 Annual meeting offers up to 43 MOCA points, of which 21 points contribute the patient safety CME component of the American Board of Anesthesiology's redesigned Maintenance of Certification in Anesthesiology™ (MOCA®) program, known as MOCA 2.0®.



INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

Start Time	End Time	Session
		<p>Early Career Investigators Rapid-Fire Showcase: Co-Sponsored by Early-Stage Anesthesiology Scholars (eSAS) </p> <p>Moderator: <i>Michael J. Devinney, MD, PhD, Duke University, Durham, NC</i></p> <p>High Fidelity CRISPR Libraries to Interrogate Anesthetic Genetic Susceptibilities in Cancer Metastasis <i>Alexander R. Perez, MD, PhD</i> <i>University of California-San Francisco, San Francisco, CA</i></p> <p>A Novel Application of Non-Anesthetic Propofol Analogues <i>E. Railey White, MD, PhD</i> <i>University of Pennsylvania, Philadelphia, PA</i></p> <p>Noradrenergic System in Arousal: From Synapses to Circuits <i>Li Li, MD, PhD</i> <i>Seattle Children's Research Institute, Seattle, WA</i></p> <p>Identifying, Measuring, and Operationalizing Patient Reported Outcomes After Outpatient Surgery Among Adolescents. <i>Sydney Brown, MD, PhD</i> <i>University of Michigan, Ann Arbor, MI</i></p> <p>Multi-omics for Precision Anesthesia <i>Joseph Scarpa, MD, PhD</i> <i>New York Presbyterian Hospital - Weill Cornell Medicine, New York, NY</i></p> <p>The Drug Burden Index Throughout Critical Illness and its Association with Patient Outcomes <i>Christina Boncyk, MD</i> <i>Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Perioperative Oxygen Toxicity: The Evidence <i>Alexander Nagrebetsky, MD, MSc</i> <i>Massachusetts General Hospital, Harvard School of Medicine, Boston, MA</i></p> <p><i>Moderated Q&A</i></p>
		<p>Database Logistics for Anesthesiologists: Navigating the Ins and Outs of Registries and Multicenter Studies</p>

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INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

Start Time	End Time	Session
		<p>Moderators: <i>Lisa K. Lee, MD, MS, University of California Los Angeles Medical Center, Los Angeles, CA and Lindsay A. Brown, MD, University of California Los Angeles, David Geffen School of Medicine, Los Angeles, CA</i></p> <p><i>Theodora Wingert, MD University of California Los Angeles, Los Angeles, CA</i></p> <p><i>Annery Garcia-Marcinkiewicz, MD, MSCE The Children’s Hospital of Philadelphia, Philadelphia, PA</i></p> <p><i>Meredith Kato, MD Oregon Health & Science University, Portland, OR</i></p> <p>Moderated Q&A</p>
		<p>University of Washington Update <i>Moderator: Tonya M Palermo, PHD, UW Medicine, Seattle, WA</i></p> <p>Brainwide investigations of isoflurane anesthesia <i>Mitra Heshmati, MD, PhD, Assistant Professor, Anesthesiology & Pain Medicine, UW Medicine, Seattle, WA</i></p> <p>Reassessing Infection Prevention in the Era of Precision Medicine and the Microbiome <i>Dustin Long, MD, Assistant Professor, Anesthesiology & Pain Medicine, UW Medicine, Seattle, WA</i></p> <p>Traumatic brain injury in Latino children: multidisciplinary interventions to improve outcomes <i>Nathalia Jimenez, MD, MPH, Professor and Vice Chair for Equity Diversity and Inclusion, Anesthesiology & Pain Medicine, UW Medicine, Seattle, WA</i></p>
		<p>Hot Topics in Cardio-Cerebral Resuscitation - From Adjunct Tools to eCPR </p> <p><i>Moderator: Matthias L. Riess, MD, PhD, FASA, Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Adjunct Mechanical Devices and their Physiological Mechanisms to Improve Quality of CPR <i>Matthew B. Barajas, MD Vanderbilt University Medical Center, Nashville, TN</i></p> <p>Elevation of Head and Chest during CPR Improve Survival <i>Johanna C. Moore, MD Hennepin Healthcare, Minneapolis, MN</i></p> <p>Enhancing Cardiac Arrest Survival with Extracorporeal CPR</p>

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INTERNATIONAL ANESTHESIA RESEARCH SOCIETY ANNUAL MEETING 2024



Preliminary Program

Start Time	End Time	Session
		<p><i>Jason A. Bartos, MD, PhD</i> <i>University of Minnesota Division of Cardiology, Minneapolis, MN</i></p> <p><i>Moderated Q&A</i></p>
12:00 pm	1:30 pm	A&A Editorial Award Session

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